**Amendments to the Claims:** This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

1. (Currently Amended) A sensor for detecting fool spoilage products within food packaging or the opening or compromise of packaging, comprising a metal co-ordinated complex immobilised in or on a substrate, which complex, upon food spoilage or the opening or the compromise of packaging, undergoes a ligand exchange reaction to release ~~is capable of releasing~~ a detectable component by the preferential binding of a gaseous substance to the metal of said complex.

2. (Previously Presented) A sensor according to claim 1, wherein the gaseous substance is selected from the group consisting of at least one of a sulphur-containing compound, a nitrogen-containing compound, an alcohol-containing compound, a carbonyl-containing compound, and a phosphorous-containing compound.

3. (Previously Presented) A sensor according to claim 1, wherein the metal complex is a metal complexed with a chomophore or fluorophore.

4. (Previously Presented) A sensor according to claim 1, wherein the metal complex is immobilised in a film or incorporated into or into part of a packaging material.

5. (Original) A sensor according to claim 4, wherein said film is applied to a label retained inside packaging or to the interior surface of a portion of a package.

6. (Previously Presented) A sensor according to claim 1, wherein the metal complex is a palladium-fluorophore complex.

7. (Original) A sensor according to claim 6, wherein the complex is palladium-Fluorexon.

8. (Cancelled)

9. (Currently Amended) A method of detecting the degradation of the contents of a package, or the opening or compromise of a package, comprising inserting into or applying to said package or incorporating into a portion of the interior surface of said package, a metal co-ordinated complex which, upon food spoilage or the opening or the compromise of packaging,

undergoes a ligand exchange reaction to release ~~is capable of releasing~~ a detectable component by preferential binding of a gaseous substance to the metal atom(s) of said complex.

10. (Original) A method according to claim 9, wherein food spoilage is detected by the release of a fluorohore or a chromophore from a metal complex.